

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2	"6565581".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 08:40
L6	2	"6152937".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 08:40
L7	526	606/157.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 09:11
L8	490	606/158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 09:12
L9	989	606/153.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 09:12

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2	"6565581".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 08:40
L6	2	"6152937".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 08:40
S1	1561	606/151.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/07 13:14
S2	108	("6113612" "6152937" "6623510" "20010047180" "20020082641" "20040010285" "20040039414" "3604425" "3757629" "3805337" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5879366" "5910155" "5984934" "6007563" "6036720" "6077281" "6077291" "6080182" "6080183" "6402765" "6582452" "6665906" "6719777" "6926731").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/10 15:26
S3	55	("6113612" "6152937" "6623510" "20010047180" "20020082641" "20040010285" "20040039414" "3604425" "3757629" "3805337" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5879366" "5910155" "5984934" "6007563" "6036720" "6077281" "6077291" "6080182" "6080183" "6402765" "6582452" "6665906" "6719777" "6926731").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/10 15:26

## EAST Search History

S4	6	("20010047180").PN. OR ("6623510").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 15:29
S5	8	("5674231"   "6113612"   "6152937"   "6582452"   "6602263"   "6623510"   "6726704"   "6926731").PN. OR ("7001398").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 15:31
S6	1035	606/213.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 15:55
S7	1	"6488692".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 16:41
S8	1	"6726704".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 16:41
S9	71	("3155095"   "3166072"   "3254650"   "3258012"   "3606888"   "3657744"   "3683926"   "3774615"   "3908662"   "3938528"   "3973570"   "3974835"   "3993078"   "4055186"   "4214586"   "4214587"   "4233981"   "4345600"   "4368736"   "4474181"   "4523592"   "4657019"   "4676245"   "4681110"   "4747407"   "4787386"   "4872874"   "4873975"   "4899744"   "4930502"   "4930674"   "4950283"   "4957499"   "4979954"   "4997439"   "5035702"   "5037428"   "5078735"   "5089008"   "5123908"   "5188638"   "5234447"   "5250057"   "5263973"   "5336233"   "5366462"   "5403333"   "5486187"   "5501689"   "5562690"   "5653743"   "5683453"   "5695504"   "5702048"   "5707380"   "5741274"   "5752966"   "5879371"   "5904697"   "5938696"   "5957973"   "5976159"   "5976178"   "6068637").PN. OR ("6488692").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 18:00
S10	1	"20040073236".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/10 18:02
S11	2	"20040073236".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:20
S12	4	("6113612" "6152937").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:21

## EAST Search History

S13	2	("6623510").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:21
S14	6	("20010047180").PN. OR ("6623510"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:22
S15	8	("5674231"   "6113612"   "6152937"   "6582452"   "6602263"   "6623510"   "6726704"   "6926731").PN. OR ("7001398").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:23
S16	71	("3155095"   "3166072"   "3254650"   "3258012"   "3606888"   "3657744"   "3683926"   "3774615"   "3908662"   "3938528"   "3973570"   "3974835"   "3993078"   "4055186"   "4214586"   "4214587"   "4233981"   "4345600"   "4368736"   "4474181"   "4523592"   "4657019"   "4676245"   "4681110"   "4747407"   "4787386"   "4872874"   "4873975"   "4899744"   "4930502"   "4930674"   "4950283"   "4957499"   "4979954"   "4997439"   "5035702"   "5037428"   "5078735"   "5089008"   "5123908"   "5188638"   "5234447"   "5250057"   "5263973"   "5336233"   "5366462"   "5403333"   "5486187"   "5501689"   "5562690"   "5653743"   "5683453"   "5695504"   "5702048"   "5707380"   "5741274"   "5752966"   "5879371"   "5904697"   "5938696"   "5957973"   "5976159"   "5976178"   "6068637").PN. OR ("6488692").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:29
S17	8	S16 and spiral\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:29

## EAST Search History

S18	65	(US-20060167484-\$ or US-20030181988-\$ or US-20020120281-\$ or US-20040039414-\$ or US-20060009800-\$ or US-20030105477-\$ or US-20060190038-\$ or US-20040073236-\$ or US-20030055440-\$ or US-20050065547-\$ or US-20050234508-\$ or US-20040267290-\$ or US-20050149114-\$ or US-20050070957-\$ or US-20030229349-\$ or US-20040092972-\$ or US-20050177224-\$ or US-20060106420-\$ or US-20060135989-\$ or US-20020103494-\$ or US-20040034373-\$ or US-20030097141-\$ or US-20020082641-\$ or US-20060069400-\$ or US-20040199189-\$ or US-20040210244-\$).did. or (US-20050256532-\$ or US-20050107813-\$ or US-20020055750-\$ or US-20030032981-\$).did. or (US-6726704-\$ or US-6669735-\$ or US-6884251-\$ or US-6488692-\$ or US-5356432-\$ or US-6544167-\$ or US-6966917-\$ or US-5234447-\$ or US-5665106-\$ or US-5741283-\$ or US-6350285-\$ or US-5451235-\$ or US-5368602-\$ or US-6511506-\$ or US-6221092-\$ or US-6811555-\$ or US-5752966-\$ or US-6890338-\$ or US-5350399-\$ or US-6945980-\$ or US-1251258-\$ or US-5397331-\$ or US-5456714-\$ or US-5769864-\$ or US-6391036-\$ or US-6152937-\$).did. or (US-6371958-\$ or US-6113612-\$ or US-5258000-\$ or US-6719777-\$ or US-5741297-\$ or US-6428550-\$ or US-1756670-\$ or US-5904697-\$).did. or (US-1251258-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:35
S19	9	S18 and spiral\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:35

## EAST Search History

S20	11	S18 and arcuate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:41
S21	49	("20010047180"   "3604425"   "3757629"   "3805337"   "4217902"   "4396139"   "4485816"   "4505274"   "4586503"   "4777950"   "4860746"   "4865026"   "4917087"   "4950258"   "5007921"   "5026390"   "5053008"   "5108420"   "5156609"   "5176648"   "5192302"   "5222974"   "5304184"   "5334217"   "5366458"   "5478354"   "5527322"   "5674231"   "5683405"   "5695505"   "5782844"   "5782861"   "5810846"   "5810851"   "5830125"   "5879366"   "5910155"   "5984934"   "6007563"   "6036720"   "6077281"   "6077291"   "6080182"   "6080183"   "6113612"   "6152937"   "6402765"). PN. OR ("6719777").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 22:41
S22	3782	clip and tines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:49
S23	288	S22 and "606"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:49
S24	221	S23 and (curv\$3 or arcuate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:51

## EAST Search History

S25	110	("20010047180" "20020082641" "20040010285" "20040039414" "3604425" "3757629" "3805337" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5879366" "5910155" "5984934" "6007563" "6036720" "6077281" "6077291" "6080182" "6080183" "6113612" "6152937" "6402765" "6582452" "6623510" "6665906" "6719777" "6726704" "6926731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 22:51
S26	56	("20010047180" "20020082641" "20040010285" "20040039414" "3604425" "3757629" "3805337" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5879366" "5910155" "5984934" "6007563" "6036720" "6077281" "6077291" "6080182" "6080183" "6113612" "6152937" "6402765" "6582452" "6623510" "6665906" "6719777" "6726704" "6926731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 22:55
S27	55	("20010047180" "20020082641" "20040010285" "20040039414" "3604425" "3757629" "3805337" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5053008" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5879366" "5910155" "5984934" "6007563" "6036720" "6077281" "6077291" "6080182" "6080183" "6113612" "6152937" "6402765" "6582452" "6623510" "6665906" "6719777" "6726704" "6926731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 23:08

## EAST Search History

S28	1	"20060027971".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 23:11
-----	---	-------------------	---	----	----	------------------